



EUROPEAN MARITIME SAFETY AGENCY
QUALITY SHIPPING, SAFER SEAS, CLEANER OCEANS

CleanSeaNet – European Satellite Oil Spill Monitoring and Vessel Detection Service

Use Cases

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CleanSeaNet SAFEMED Info Day - Lisbon - November 2013




EUROPEAN MARITIME SAFETY AGENCY
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Caught by CleanSeaNet

1. CleanSeaNet detection on 25 February 2012 in UK territorial waters. UK Coast Guard contacts vessel.
2. Master indicates a tank cleaning operation of palm oil that stopped at 13.5 nautical miles from the coast
3. CleanSeaNet clearly shows the ship discharging within the 12 nautical miles limit
4. Company pleads guilty
5. Fined £15,000 + £7,500 costs


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Caught by CleanSeaNet




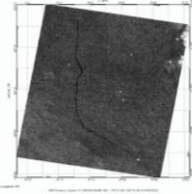
CleanSeaNet Alert Report

UNITED KINGDOMAcquisition: 2012-02-25 10:37:49 UTC

Scene ID: 19294ENVISAT - ASARWS

List of SpillsGIS Viewer

Centre Position		SAR Wind at Center		Area	Length	Width	Class	Alert Level	Number of slicks	Oilspill Warning Issued
Latitude	Longitude	Direction (From)	Speed (m/s)	(km²)	(km)	(km)	(A/B)			
49° 59' 37" N	006° 00' 12" W	0	0	20.79	36.4554	8.8846	A	Red	1	Unknown



Meteorological and Ocean Data	
Sea State	N/A
Wave Height	0
Direction (from)	0
Met. Wind	0
Speed (m/s)	0
Direction (from)	N/A
Current	0
Speed (m/s)	N/A

Note: Grey fields are parameters set as "invisible" in the Print Parameters matrix or not available

Comments from Service Provider


Possible source information												
N.	Detected	Dist.(Km)	Identified	Type	IMO	Name	MMSI	C/S	Latitude	Longitude	Time (UTC)	Track

EMSA Maritime Support Services 24/7 - Tel: +351 21 1209 415 - Fax: +351 21 1209 480

Mail: MaritimeSupportServices@emsa.europa.eu

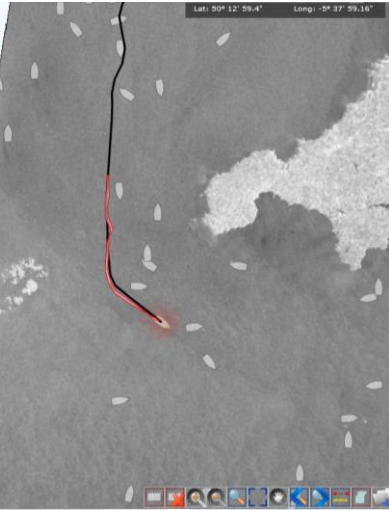
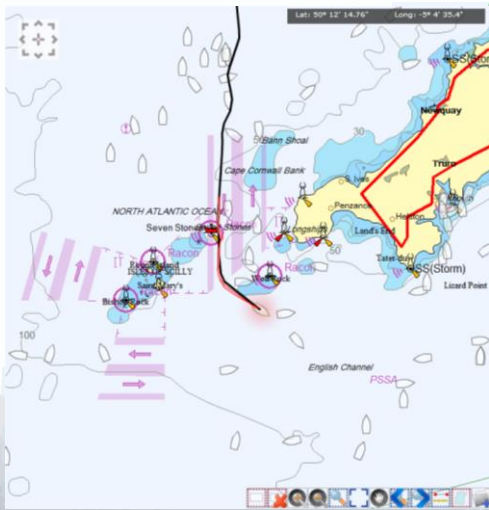
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Caught by CleanSeaNet



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22 March 2013 - The whole chain in action

1. CleanSeaNet detection on 22 March in Croatian waters. Analysis shows that the spill was detected approximately 5 hours after the discharge.
2. Possible source (MMSI) reported by the CSN service provider. Track available in alert report based on AIS information available in CSNDC
3. Slovenia enters an overriding factor message in Thetis regarding a possible pollution in Croatian waters
4. Inspectors found (source: feedback in CSN and Thetis) evidence of a discharge of oily products:
 - An OWS line containing oil residues
 - Oil spots on starboard side hull (about 10 square meters)
5. The master and the company were fined 4,600.00 Euros. The ship was not detained.

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22 March 2013 - The whole chain in action

CleanSeaNet Alert Report **CROATIA** Acquisition: 2013-03-22 05:16:37 UTC

Scene ID: 124923 RADARSAT-2 - SAR_R - SCWB [List of Spills](#) [GIS Viewer](#)

Details of possible Spill n°1 - OS_124923_1

Centre Position		SAR Wind at Center		Area	Length	Width	Class	Alert Level	Number of slicks	Oilspill Warning Issued
Latitude	Longitude	Direction (From)	Speed (m/s)	(km²)	(km)	(km)	(A/B)			
44° 43' 43" N	013° 56' 14" E	64.00	3.91	3.44	7.61	0.45	A	Yellow	1	NO

RSAT-2 - 2013-03-22 05:17:20

Meteorological and Ocean Data			
Sea State	Wave Height 0.2		
Met.Wind	Direction (from) 64		
	Speed (m/s) 4.2		
Current	Direction (from) N/A		
	Speed (m/s) N/A		

Note: Grey fields are parameters set as "invisible" in the Print Parameters matrix or not available

Comments from Service Provider

Possible source information

N.	Detected	Dist.(Km)	Identified	Type	IMO	Name	MMSI	C/S	Latitude	Longitude	Time (UTC)	Track
1	Unknown	60.5	Yes	N/A	N/A	unknown	unknown	unknown	45° 08' 27" N	013° 25' 30" E	03:23:32Z	N/A

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22 March 2013 - The whole chain in action



EMSA CleanSeaNet

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CSNDC Sibella JSP CSNDC Sibella JSP

Search EO Scene Oil Spill Detect


Satellite	Acquisition time
Radsat-2-SAR...	22-03-2013 05:17:20

Search in selected scenes

[Go to EO scene detail panel](#)

IMO	IMO	Name
247123460	unknown	
247129900	unknown	
563176000	unknown	
667005027	unknown	
305671000	unknown	
247138800	9304...	GIUSEPPE R...

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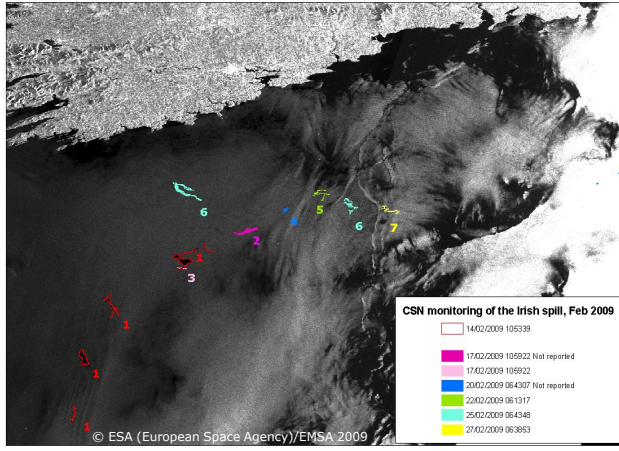
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Monitoring the spill in Irish waters - February 2009

- CSN alert on four possible oil slicks sent to Irish Coast Guard and to MCA on 14/02/09
- Mineral oil spill (at least 300m³ of heavy fuel oil) confirmed by aerial surveillance
- Spill was due to failure during refueling at sea operation involving Russian Navy vessels
- 7 satellite images acquired over the area
- Oil still visible on 27/02/2009



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